

Bechtel appeal has merit, says GAO

The Government Accounting Office, an investigative arm of Congress, has ruled in favor of Bechtel in its appeal of the award of Hanford's River Corridor Contract to another bidder. The contract, designed to accelerate risk reduction and closure of the 210-square-mile Columbia River corridor of the Hanford Site, was awarded last April to Washington Closure Company, a partnership of Washington Group International, Fluor Federal Services and Earth Tech. Bechtel filed a protest on May 5.

According to GAO attorney Scott Riback, the Aug. 13 ruling means that DOE now must review the criteria used in awarding the contract and re-evaluate the bids. In the meantime, Bechtel Hanford will continue its work on cleaning up the rivershore and cocooning Hanford's obsolete reactors — work it has performed since 1994, earning 13 outstanding ratings from DOE.

"We're going to continue focusing on job safety and meeting our cleanup commitments," said Todd Nelson of Bechtel Hanford's communications staff.

When the new contract is in place, the first phase will include cocooning three defunct plutonium production reactors, remediating 269 waste sites and 46 burial grounds, and taking down surplus buildings. The contract includes an unpriced option for performance of a second phase, which includes cocooning three additional reactors, remediating four burial grounds and 240 waste sites, and demolishing 218 surplus facilities.

The two phases of the contract will complete the lion's share of Hanford rivershore remediation and shrink active Hanford cleanup operations to just 75 square miles in the center of the site. ■

First high-level waste canisters shipped for testing

Bechtel National, the contractor managing construction of the Waste Treatment Plant for the Department of Energy Office of River Protection, reported that six prototype canisters for its High-Level Waste Vitrification Facility have been shipped from the manufacturer in Vancouver, Wash., to the Duratek Pilot Melter site in Maryland.

American Boiler Works of Vancouver fabricated the canisters. They will be tested at the Pilot Melter site using molten test glass, under conditions similar to future vitrification of waste here at Hanford.

"We're verifying our analysis and simulations," said Phil Schuetz, area project manager for Hanford's High-Level Waste Vitrification Facility. "Part of that is monitoring the cool-down rate to verify when the canisters can be handled."

The tests will also verify that the canisters don't distort due to the high-temperature glass mixture. There are stringent requirements on the dimensions of the canister to facilitate acceptance and storage at a national repository.

One of the filled canisters will be transported to Hanford, where it will undergo a "drop test." The canister will be dropped from a height of 23 feet onto a rigid concrete mat to verify its strength and durability. ■



Six high-level waste canisters were shipped from fabricator American Boiler Works in Vancouver, Wash., on July 31. The canisters are being delivered to Duratek's Pilot Melter site in Maryland.

Picture Pages



NEW DOOR FOR SAFETY:

Workers install a new automatic bi-fold door at 2420 Stevens Center, where high winds sometimes cause a serious safety concern for people going in and out of the building. The wind would often pull the old door out of a person's hands and slam it shut with such force that someone could have been seriously injured. Fluor Hanford worked with Stevens Center management to come up with a solution to the problem, and with Safeguards and Security to make certain all security requirements were addressed. The nearest doors similar to these are in Portland, Ore.



BACKPACK BASICS: Last week, volunteers from Fluor Hanford and Fluor Federal Services presented 300 backpacks filled with donated school supplies to school-age children at Finley Elementary School and the Pasco Housing Authority. Fluor partnered with local Boys and Girls Clubs to distribute the backpacks just in time for school. Another 375 backpacks are on their way to elementary school children in Delta Junction, Alaska (near Ft. Greely), the site of Fluor's Ground-based Midcourse Missile Defense project. Fluor offices worldwide are collecting school supplies as part of the corporation's annual global service project called "Building Futures."

PicturePages continued on next page.

60 Hanford 1943-2003 Years

The Hanford Site
celebrates 60 years
of protecting America



CUTTING THE RUG AT THE REC HALL: Couples dance to music playing on the juke box at the Women's Rec Hall at the Hanford Engineer Works in 1944. According to the caption accompanying this *Sage Sentinel*/photo, other popular activities at the recreation facility were playing ping pong, cards and table games, and listening to the popular and classical music record collection. The photo is from the archives of the East Benton County Historical Museum, 205 Keewaydin Dr. in Kennewick.

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LMIT replacing Hanford Site radio systems

Lockheed Martin Information Technology is leading a Hanford Site initiative to implement new radio systems. Known officially as L-347, the Narrowband Radio Migration Project responds to a mandate issued by the National Telecommunication Information Agency, which has authority over all federal communication systems. The NTIA issued a mandate to federal agencies requiring transition to narrowband radio systems using newly assigned frequencies, with specific dates set for compliance.

In the past 10 years, radio congestion across the U.S. has increased significantly as a result of the accelerated growth of cellular-phone and other wireless communications. Coinciding with the Internet boom, the nation's frequency spectrum experienced rapid expansion resulting in heavy congestion. Commercial wireless developers, businesses and citizens lobbied the federal government to release the frequency spectrum previously allocated to federal agencies. This pressure resulted in a series of laws and a federal mandate, which made a portion of the federal spectrum allocation available to the public and effected the federal agencies' transition to narrowband radio systems.

The Hanford Site's L-347 project is divided into two phases. Phase 1 deploys a new narrowband, Department of Energy-owned, very high frequency trunked radio system for Hanford's safeguards and emergency service groups. Phase 2 will establish enhanced commercial radio communication services for general operation and maintenance groups, and will manage the transition to new services.

When the project is complete, Hanford's radio communication systems will comply with the NTIA federal mandate and will provide improved radio-communication capabilities. The new DOE system will make it easier for safeguards and emergency service personnel to communicate because of improved transmission quality, increased radio coverage across the site and enhanced compatibility with local public safety agencies. General users will experience improved radio coverage free from airway congestion, compared to current radio communication capabilities. LMIT is implementing Project L-347 at a significantly lower cost than similar installations at other DOE sites.

As the project progresses, further updates will be provided on a Hanford Intranet Web page. For more information or answers to your questions, contact David Havens, LMIT Engineering and Construction manager. ■

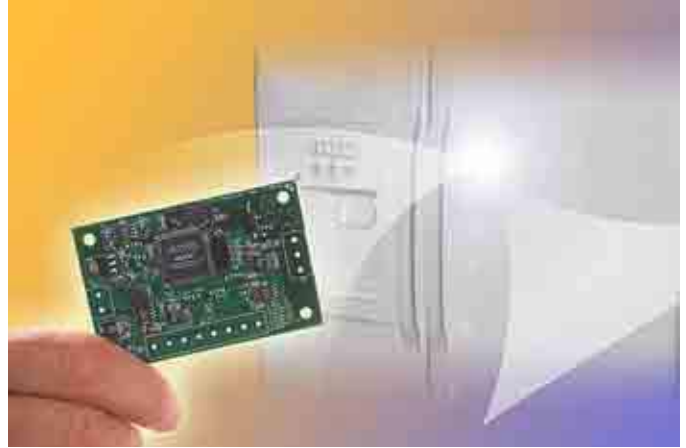


03060039-118, LMIT Photography

Hanford Firefighter Mark Johnson uses the improved Hanford radio communication system for Hanford's safeguards and emergency service groups.

PNNL advances future power-grid reliability

The Department of Energy's Pacific Northwest National Laboratory is a leader in power-grid reliability. To mitigate impacts of aging infrastructure, deregulation and vulnerabilities to terrorism, PNNL envisions a power grid of the future using technological advancements. Lab experts are supporting DOE and other industry stakeholders to provide insight into the factors that play a role in large-scale outages such as those that occurred on the East Coast on Aug. 14, and to determine how susceptibility to such events can be minimized with new technology and better cooperation.



Engineers with Pacific Northwest National Laboratory are designing smart chips that would be fitted into household appliances to continually monitor fluctuations in the power grid. When the grid is under high stress, a grid-friendly appliance would identify these fluctuations and, within milliseconds, automatically shut down for a short period of time to give the grid operators time to stabilize the system. It could even turn on momentarily to absorb excess power from fluctuations during a crisis.

"We're using the grid in ways that it wasn't designed for, and the results can be cascading outages that cripple entire regions," said Jeff Dagle, PNNL chief electrical engineer and grid-reliability expert, echoing an opinion widely shared among utility engineers. "The grid architecture must be changed to support the new demands that are being placed upon it, making it more resilient to failure or attack and flexible enough to evolve as better technological solutions emerge.

"One option we are considering is integrating advanced technology into the system — from the consumer level in a person's home to the generators and substations," he said. "Also, development of new energy sources such as fuel cells will further reduce demands on the grid. Tighter cooperation between private and public organizations must be the foundation for either of these efforts."

Grid of the future

The East Coast power outage further proves that despite the country's technological might, its power system is stuck in the 20th century. Efforts to modernize the grid and incorporate new technologies that could reduce vulnerability to major outages are under way at PNNL through its Energy Systems Transformation Initiative.

"Called GridWise™, our vision draws on new technologies enabling collaboration among generators, the grid and customer loads to collectively increase the stability and cost-effectiveness of the power system beyond what is possible today," said Rob Pratt, program manager of PNNL's initiative. "We foresee solutions that involve adapting and influencing information, and control technology approaches to deliver a reliable energy infrastructure that's in step with the information revolution in the nation's economy in general. Major corporations like IBM, Alstom, PJM Interconnect and Sempra have created an alliance to jointly define this vision for the smart grid of the future."

Continued on page 7.

PNNL advances future power-grid reliability, cont.

As part of GridWise™, PNNL engineers are designing smart chips that would be fitted onto household appliances and would continually monitor fluctuations in the power grid. When the grid is under high stress, a grid-friendly appliance would identify these fluctuations and, within milliseconds, automatically shut down for a short period of time to give the grid operators time to stabilize the system. It could even turn on momentarily to absorb excess power from fluctuations during a crisis.

“These brief interruptions of five or 10 minutes wouldn’t be noticeable to the consumer, but if millions of hot water heaters, refrigerators and air conditioners shut down, the cumulative effect could reduce demand enough to stabilize the grid and give operators time to get it back under control,” Pratt said. “These grid-friendly appliances could respond nearly instantly and much more quickly than a utility can start up additional generators or re-route power to compensate for disruptions in the system.

“By relieving stress on the grid, chances of a problem spinning out of control and cascading into a major blackout would be greatly reduced. These same appliances could stagger their return to service after an outage, easing the restoration of power.”

PNNL is establishing a mock household environment where grid-friendly appliances would be tested for their effectiveness in monitoring grid fluctuations, responding to such fluctuations, and assessing past power outages using information from those events. The test bed is expected to be fully operational this fall.

Learning from outages

While the Aug. 14 East Coast outage was unprecedented in its impact, it is not the first time a major outage has struck highly populated areas. Dagle has co-authored two major reports for DOE that analyzed factors contributing to past power outages that crippled California and the East Coast. In the report, “Review of Reliability Issues and System Events,” Dagle and colleague John Hauer, PNNL Laboratory Fellow and former BPA principal engineer for power-system dynamics, provided a detailed analysis of how 11 major North American outages occurred. The authors also offered insight into technology investments that could reduce chances of repeat events, institutional weaknesses that contributed to the events and options for addressing these problems.

In the report, the PNNL authors note that, for more than a decade, looming deregulation has provided little incentive for utilities to invest in higher-capacity systems, or increased load capacity.

Continued on page 8.

PNNL advances future power-grid reliability, cont. 2

“A massive infusion of better technology is emerging as the final option for continued reliability and adequacy of electrical services,” Dagle and Hauer write. “If that technology investment will not be made in a timely manner, then the fact should be recognized and North America should plan its adjustments to a very different level of electrical service.”

New technology

One such technology solution is a monitoring system called WAMS, for Wide-Area Measurement System. Developed at PNNL in conjunction with Bonneville Power Administration, it monitors fluctuations in transmission lines, predicts failure-level problems, and analyzes the causes of outages. WAMS is an example of how information technology can help utilities and governments learn from past outages and recognize failure-level events in time to minimize damage. WAMS has been provided to utilities along the West Coast.

“Over the past couple of years, we’ve been discussing implementation of WAMS with several utilities on the East Coast,” Dagle said. “The goal is to incorporate information technologies to better predict events, match power need and demands, and consider real-time needs in hopes of improving management of the grid.

“Beyond technology incorporated into the grid, innovations in the area of fuel cells could also serve as new energy resources for consumers and the grid,” he said. ■

Bechtel Hanford awards nearly \$9 million in contracts

Bechtel Hanford has awarded RCI Environmental of Sumner, Wash., an \$8.2 million contract to add two disposal cells to the Hanford Site Environmental Restoration Disposal Facility. A second contract for \$485,000 was awarded to Envirotech Engineering and Consulting of Enid, Okla., to provide construction quality assurance services for the expansion work.

The design for the expanded facility is complete and both companies will begin work in October, with construction to be completed in December 2004.

ERDF is an engineered, low-level-waste and mixed-waste disposal facility designed to accept soil and debris generated during Hanford cleanup activities. It currently comprises four enormous areas, or cells. Each cell is constructed with a bottom liner consisting of multiple layers of plastic, other impermeable materials and a system to catch liquids as they drain through the waste materials. The waste itself is compacted in two 35-foot layers separated by 2 feet of clean fill.

The first two cells went into operation in 1996. Each pair of cells is 70 feet deep, 500 feet long and 500 feet wide — large enough to hold 2.4 million tons of waste material. It was designed to be expanded as needed, and two additional cells were added to ERDF in 1999. When the current expansion is completed, the facility will have an operational capacity of 8 million tons.

RCI will excavate 1.5 million cubic yards of soil. The company will construct the barrier system and liquid collection and removal systems for the new cells and tie them into the existing cells. Workers also will excavate a construction buffer zone to accommodate future expansion. Envirotech will ensure the ERDF earthwork, liner and leachate collection systems are completed as designed.

To date, nearly 4.5 million tons of contaminated soil and debris have been deposited in the ERDF — almost half of the 10 million tons of contaminated



The Hanford Site Environmental Restoration Disposal Facility will be expanded by 50 percent. The new disposal cells will be ready to receive low-level and mixed Hanford cleanup wastes in 2005.

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Bechtel Hanford awards nearly \$9 million in contracts, cont.

material estimated to be located at waste sites and burial grounds near the Columbia River.

Each day, workers at ERDF typically empty an average of 145 containers filled with up to 20 tons of low-level and mixed waste. Most of the material is soil that comes from liquid waste effluent sites at the former plutonium production reactors along the Columbia River. ERDF also receives demolition debris from the reactors and waste from other Hanford facilities, and the Department of Energy and its regulators are considering a plan to help accelerate site cleanup by allowing disposal of other Hanford wastes there.

Duratek Federal Services is responsible for daily disposal operations at ERDF under subcontract to Bechtel Hanford, which manages the facility for DOE. Eberline Services Hanford provides radiological control services. ■

DOE extends HEHF contract for three months

The Department of Energy Richland Operations Office has extended the Hanford Environmental Health Foundation's contract to provide occupational medical service to the Hanford Site another three months, through the end of December. The extension will allow DOE more time to review the proposals submitted by organizations proposing to provide occupational medical service to the Hanford Site under a new three-year contract, with extensions up to 10 years.

DOE hopes to complete the selection process by the end of September, after reviewing the final proposal revisions submitted by the contract candidates. These revisions, in the form of answers to DOE questions specific to each proposal, are due on Sept. 2.

DOE-RL will select the winner of the contract and DOE Headquarters in Washington, D.C., will approve the choice. DOE hopes to award the contract in October.

Occupational medical services covered in the contract include medical surveillance, diagnosis and treatment of injury and disease, emergency preparedness, and counseling and health promotion for workers. Managing the health issues from past exposures to hazardous materials such as beryllium and asbestos is expected to increase the testing and oversight work compared to the current contract. ■

Did you work in a building that used or stored beryllium?



Do you know for sure? Find out today.

Contact the beryllium case-management specialist
at 376-6000 or visit
www.hanford.gov/safety/beryllium
for information on where beryllium was stored or
beryllium-related operations were conducted at Hanford.

Exposure to beryllium particles can affect your health.
You should consider getting tested for beryllium sensitization
if you think that you've been exposed.


Beaware
Beryllium Awareness

G03670019.4

Waste Services' safety poster has a personal touch

Karen Welsh, *Fluor Hanford*

Fluor Hanford's Waste Services employees are committed to working safely every day — to ensure that they return home to their families at the end of each workday healthy and injury-free. And they promote this commitment to safety with a personal touch.

Julie Lindstrom, chairwoman of Waste Services' Employee Safety Council, said although the company's safety statistics and numbers are very important, the real reason the Waste Services team works safely is for their families at home.

"We feel that those people who are most important in our lives are the number-one reason for us to work safely, and to watch out for each other at all times," said Lindstrom. "Family comes first. Everything else can be replaced."

With their "family-first" safety culture as a basis, Waste Services recently developed a safety poster that is proudly displayed at each of its facilities. The heading on the poster reads, "These Are Our Reasons for Doing Work Safely." The poster shows what is most important to Waste Services' employees and includes family photos, baby pictures, photos of employees posing with their family pets, and even one employee's pride and joy — a bright yellow hot-rod.

"We wanted to find a way to get safety on the minds of our employees, but without just stating statistics, ratings and numbers," said Lindstrom. "We wanted to visually remind people of what matters to them most, and how the way we work affects our families."

The safety posters are displayed in the Waste Services facilities in the 200 Area and the Federal Building. Each Waste Services employee received an 11-inch by 14-inch copy of the safety poster as a reminder of his or her personal commitment to safety, both on and off the job. ■



Julie Lindstrom distributes copies of the new safety poster to each Waste Services employee at a recent all-employee picnic at Howard Amon Park.

Sidewalk Safety

School begins this week — drivers, parents and kids all need to be aware to stay safe

Most Tri-Cities-area children will begin school this week, and Hanford commuters will need to be aware that children will be walking, riding buses and cycling to and from school. All drivers need to be aware of the school-zone speed limits and the increased presence of children on the sidewalks and streets. Those of us with children must help them be aware of some basic traffic safety rules.

Drivers need to be aware of school-zone speed limits. In Washington, the limit is 20 miles per hour, 24 hours a day, seven days a week. However, there are four approved exceptions. In those cases, signs indicate that you only need to obey the 20-mph rule when flagged, when flashing, when children are present or within a specific time period.

The Washington State Department of Transportation defines “when children are present” as when schoolchildren are within a marked crosswalk; are at the curb or on the roadway’s shoulder and are about to use the marked crosswalk; or are present along the roadway (either on the adjacent sidewalk or, in the absence of sidewalks, on the shoulder) within the posted speed limit zone, which extends 300 feet in either direction from the marked crosswalk.

Studies have shown that younger children have difficulty in making safe judgments about traffic dangers. Parents should teach their children the following rules:

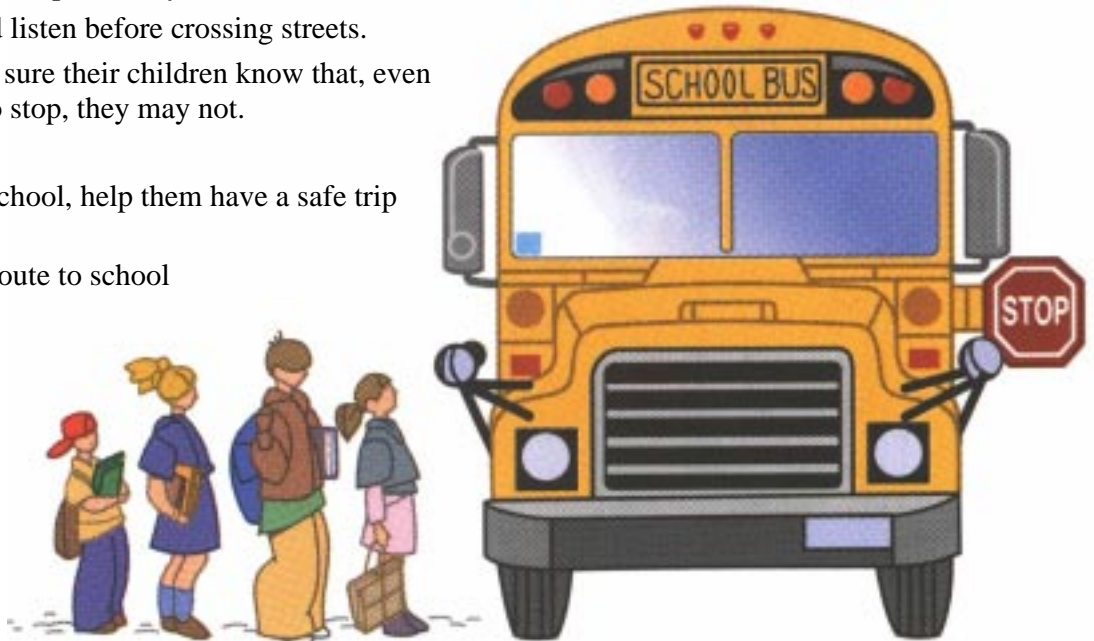
- Don’t play in the street
- Don’t dart into the road after pets or toys
- Stop, look both ways and listen before crossing streets.

Parents should also make sure their children know that, even though cars are supposed to stop, they may not.

If your children walk to school, help them have a safe trip by doing the following:

- Planning a safe walking route to school
- Walking that route with your children and pointing out areas where they should be especially careful.

Continued on page 15.

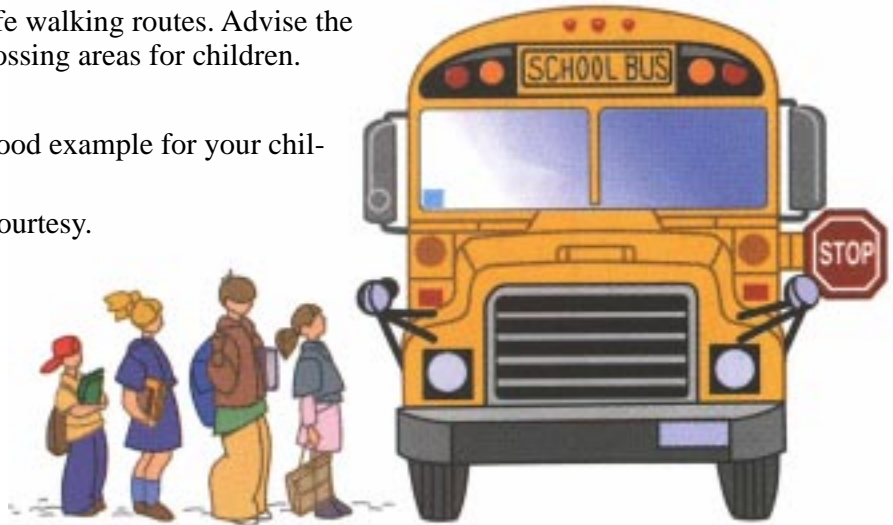


Sidewalk Safety, cont.

Check with your school district for safe walking routes. Advise the school district of unsafe walking and crossing areas for children.

Children learn by example; so, set a good example for your children to obey traffic laws:

- Drive the speed limit and drive with courtesy.
- Do not double-park.
- Let children off on the correct side of the road when delivering or picking them up from school.
- Do not rush while driving. Organize yourself to leave a little earlier.
- Do not rush getting children to and from school. Your urgency may transmit to them, causing them to disregard traffic safety and run headlong across the street.



If your children ride their bicycles to school, make sure they know the rules of the road and wear bright clothing and a helmet approved by ANSI (American National Standards Institute).

Learn more traffic safety tips for children and drivers in school zones by visiting <http://www.aaawa.com/journey/archive/jan03/frontlines.html> and <http://www.metrokc.gov/kcdot/roads/rwneigh.htm>. ■

Hanford XP Migration Project update

Word 2002 has new features

Word 2002, included in Office XP suite, is one of the most widely used programs for creating documents. Improved technology, collaboration and reliability enhance the new version of Word. One of the key goals of this new version of Word is to make everyday tasks easier by including several new

features. Several new task panes and “smart tags” are available to bring options to the user with a simple click of the mouse. Other new

features provide for easier formatting and document collaboration. Here are a few of the new features of Word 2002.

Consultants are available this week to assist with XP migration in these facilities:

Aug. 26...2425 Stevens Center, 1979 Snyder

Aug. 27...Federal Building, ground floor and fourth floor

Multi-selection

You can select noncontiguous areas of a document, which makes it easy to format text in different places. You can also use the Find feature to select and format similar text.

Clear formatting

With the new “clear formatting” feature, you can easily remove all formatting from text, restoring it to the normal document style without removing hyperlinks.

Document recovery

Word now gives you the option of saving your current files when an error occurs in an application. As a result, you'll spend less time recreating your documents.

Styles and formatting task pane

The Styles and Formatting task pane gives you the ability to see the formatting in use in your document (both styled and direct formatting), recently used formatting, and all the available styles. You can select all text in the document with the same style or direct formatting and easily apply a new format or style all at once. You will be able to easily reuse formatting within your document without creating styles.

Table styles

You now can define a style for a table. This feature makes it easy to make one table look like another by simply applying the style to the table from the Styles and Formatting pane.

List styles

You now can define a style for a bulleted or numbered list. This feature makes it easy to make one list look exactly like another list by replicating the same indents and formatting.

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Hanford XP Migration Project update, cont.

Word count

The Word Count toolbar allows you to easily update the word count in a document without having to go to the Word Count dialog box. Also, additional improvements in Word Count allow you more flexibility to determine whether or not headers and footers are counted in your document.

AutoCorrect options smart tag

This feature provides an easy mechanism for controlling and modifying automatic behavior that takes place within Word. You can undo an automatic correction, choose to not have that correction take place in the future, or access the AutoCorrect Options dialog box.

Hiding white space

In print layout view, you can quickly eliminate wasted space on the screen by hiding the white space at the top and bottom of a document.

Drawing canvas

The new drawing canvas helps you easily insert, position, layer and resize drawing objects in your document.

Diagramming

You can add a variety of diagrams using the diagramming tools on the Drawing toolbar.

Improved watermarks

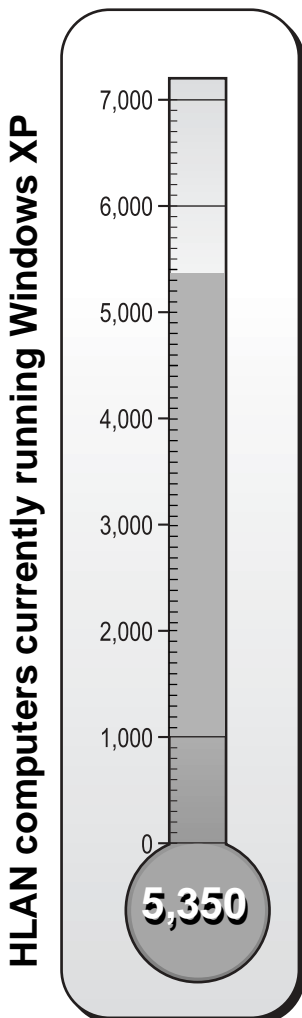
You can easily select a picture, logo or custom text to apply as the background for your printed document.

Protecting personal information

You can now remove personal information from your document, such as file properties (author, manager, company, and "last saved by") and names associated with comments or tracked changes.

Filtered HTML

To reduce the size of Web pages and e-mail messages in HTML format, you can save them in filtered HTML so the tags used by Microsoft Office programs are removed. This feature is recommended for experienced Web authors who are concerned with the tags that appear in their HTML files. ■



Regular Features



Calendar

National Society of Black Engineers meets Aug. 27

The Columbia Basin Alumni Extension National Society of Black Engineers Chapter will hold the first monthly general board meeting for the 2003-2004 membership year on Aug. 27 at 6 p.m. in the Gallery of the Richland Public Library. This meeting will also be open to anyone interested in becoming a member. Light refreshments will be served. Come see what exciting activities NSBE has planned for the Tri-Cities. NSBE's mission is to increase the number of culturally responsible black engineers who excel academically, succeed professionally and positively affect the community.

Library staff helps you access information Aug. 27

On Wednesday, Aug. 27, noon to 1 p.m. in the Richland Room of the ROB on the Pacific Northwest National Laboratory campus, the Hanford Technical Library staff will help you to take advantage of databases and library services that provide you with the information you need to stay current in your field, monitor trends and stay one step ahead of your competition, all the while avoiding information overload. For more information, contact Karen Buxton at 372-7451 or at karen.buxton@pnl.gov.

Public star and Mars gaze at LIGO Aug. 29

The Laser Interferometer Gravitational-Wave Observatory (LIGO) facility and the Tri-City Astronomy Club are sponsoring an evening of star and Mars observing on Friday night, August 29, from 9 p.m. to 2 a.m. The best time to observe Mars is about midnight. A public tour of LIGO also takes place from 7 to about 9 p.m. that same day. To reach LIGO, drive 8 miles north of Richland on State Route 240. When you reach State Route 225 near the Yakima River, turn right. Drive five miles to the entrance of LIGO. For more information, contact Terry Gunter of LIGO at 372-8106.

Tumbleweed Music Festival Aug. 30-31

The seventh annual Tumbleweed Music Festival will be held in Richland's Howard Amon Park Aug. 30-31. The daily events are free to the public from 11

a.m. to 7 p.m. More than 100 local, regional and national acts are featured on four outdoor stages and an indoor dance stage at the Richland Community Center. Musical performances range from international, traditional and contemporary folk to nautical, bluegrass and blues. Tickets for the Saturday-evening concert and Sunday-evening contra dance are available at the festival information booth for \$8 for general admission and \$5 for teens and seniors. Children under 12 are free. For more information, visit the Three Rivers Folklife Society Web site at <http://www.3rfs.org/tmf.htm>, or call 943-ARTS or 528-2215.

ASQ dinner meeting scheduled for Sept. 2

The Sept. 2 dinner meeting of the local American Society for Quality will be held at the Richland Shilo Inn beginning at 5:30 p.m. with check-in and networking. The buffet dinner is at 6, and the presentation is at 7. This meeting will provide an opportunity for those who are unfamiliar with ASQ to learn more about the organization. Members will get an update on the national organization's activities and their effect on the local section. The guest speaker is ASQ Fellow, recent ASQ board member and independent quality consultant Dennis Arter. The cost is \$10. There is no charge for attending the presentation only. Make your reservations by Aug. 28. Call 372-1442, send an e-mail message to lynn_l_gates@rl.gov or register via the local ASQ section Web site at <http://www.3-cities.com/~gates/ASQ614.html>. Click on "What's Next" for additional information about the program, speakers and the dinner menu.

Great American Songbook Concert set for Sept. 6

Steve Haberman and Friends present "The Great American Songbook" concert at 7:30 p.m. on Sept. 6 at Chief Joseph Middle School Auditorium in Richland. Steve Haberman, Mary Lou Gnoza, John LaChapelle and other Tri-City musicians perform best-loved songs of stage and screen from the last three decades. The concert benefits the Mid-Columbia Symphony. Tickets are \$10, \$15 and \$20, with all seats reserved. Get tickets at the Battelle Performing

Calendar continued on next page.

Regular Features



Calendar, cont.

Arts Business Center (at 716 Jadwin), by calling 943-ARTS, or at the door.

Sept. 9 PMI Chapter tours Storage Project

The Columbia River Basin Chapter of the Project Management Institute will tour the Dry Spent Fuel Storage Project at the Energy Northwest Hanford Generating Station on Tuesday, Sept. 9. The tour group will depart from the Stevens Center complex at 5:15 p.m., and return at approximately 7:30. Supper will be provided. This tour is limited to 30 people. You must have a reservation to attend; no walk-ins will be taken on the tour. The cost is \$10 for the tour and supper and \$5 for the tour only. Make your reservation by contacting Terri Witherspoon at Terri_T-Witherspoon@rl.gov by noon Sept. 5.

Donate blood at HAMMER on Sept. 9

The American Red Cross will hold a blood drive on Tuesday, Sept. 9, from 9 a.m. to 1 p.m. at the Al Alm Building Vehicle Bay at the Volpentest HAMMER Training and Education Center. To schedule an appointment, contact Libby Sickler at 376-7117.

Duratek sponsors golf tournament on Sept. 11

The United Way scramble golf tournament, sponsored by Duratek, is scheduled for Sept. 11 at Canyon Lakes Golf Course in Kennewick. The shotgun start is at 1 p.m. All proceeds go to the United Way. For more information, visit www.duratekinc.com, under "Client News," or contact Angie Gagnon at 376-0804.

Safety and Health Conference takes place Oct. 3

"Emerging Issues in Safety and Health" is the title of the third Safety and Health Conference Oct. 3, 8 a.m.-5 p.m. at the Volpentest HAMMER Training and Education Center. The topics will emphasize the safety challenges presented by emerging issues such as an aging workforce, regulatory shifts, funding restrictions and emergency planning in today's troubled world. The Lower Columbia Basin Chapter of the American Society of Safety Engineers, the Tri-City Education Committee of the Pacific Northwest Section of the American Industrial Hygiene Associa-

tion, and the Northwest Chapter of the System Safety Society are sponsoring the conference. If paid before Sept. 1, the conference fee is \$100 (\$85 for speakers, \$35 for students). After Sept. 1, the fee is \$125 (\$100 for speakers, \$45 for students). The fee includes lunch and refreshments. Attendees will receive 0.7 continuing education credits or 1 CIH Certification Maintenance Point. Eight speakers, a nationally known keynote speaker and a HAMMER tour are planned. For more information, contact John Cavanaugh at 373-9625 or at john_e_jr_cavanaugh@rl.gov, or John Hinckley at 371-4408 or at jhinckle@bechtel.com.

Northwest Purchasing Conference Oct. 10-11

The National Association of Purchasing Management-Columbia Basin will host the Pacific Northwest Purchasing Conference Oct. 10-11 at the Kennewick Red Lion Hotel. The conference will feature speakers, workshops, programs and a trade show related to purchasing, materials management and supply-chain management. For more information, consult the conference program Web page at <http://www.mltweb.com/orgs/conf/schedule.htm>. ♦



Classes

D2000 Safety Systems training offered at HAMMER

D2000 Safety Systems will be offering OSHA training for scaffolding at the Volpentest HAMMER Training and Education Center on Sept. 9-11. "Scaffolds-Competent Person" will train employees to identify the proper ways to erect scaffolding, will explain the hazards associated with scaffolding, and will train employees to recognize the responsibilities of a competent person. This training meets the OSHA criteria required for the classification of a competent person. The cost for the class is \$595. Register by calling D2000 Safety Systems at (800) 551-87630.

TFE classes on environmental regulation, etc.

Environmental Training Management Division Training, a division of Technical and Field

Classes continued on next page.

Regular Features



Classes, cont.

Engineering, Inc., is offering the courses listed below in Richland. To register, or for more information, visit www.etmdtraining.com.

- **Environmental Laws and Regulations Course** — Sept. 9-11. Cost is \$595. Topics covered include: Atomic Energy Act; National Environmental Policy Act; Resource Conservation and Recovery Act; and Comprehensive Environmental Response, Compensation and Liability Act.
- **DOE O 435.1 Radioactive Waste Management Training** — Sept. 15-17. Cost is \$800. The course consist of five modules: introduction, overview, and goals; low-level waste; low-level waste disposal; transuranic waste; and high-level waste.
- **Management of Polychlorinated Biphenyls** — Sept. 23-25. Cost is \$780. Learning modules include background of PCB information (physical, chemical and toxicological properties) and discussion of 40 CFR 761.
- **Cleanup Site Closure: Integrating Regulatory and Administrative Activities** — Oct. 6-7. Cost is \$490. Topics covered planning, activities and documentation related to CERCLA and RCRA.

Basic mediation training offered this fall

The Benton Franklin Dispute Resolution Center will present “40-Hour Basic Mediation Training,” on Sept. 15, 16, 17, 30 and Oct. 1 from 8:30 a.m. until 5 p.m. daily at the Consolidated Information Center, Washington State University Tri-Cities campus. This training is open to all who want to become mediators or gain a higher degree of conflict management resolution skills. The course was designed and is taught by a team of experienced and practicing BFDRC mediators and trainers. The cost is \$500 per person, which includes all training materials plus a light breakfast, lunch and snacks each day. Contact the Benton Franklin Dispute Resolution Center at 783-3325 to request a registration form and submit payment. The registration deadline is Sept. 8.

Professional development classes offered in Sept/

The Tri-Cities Technical Council, an organization that represents local professional societies, will sponsor continuing education and professional development courses to be held 8:30 a.m. to 5 p.m. in the Royal Hotel and Conference Center in Richland. The following courses are scheduled for September and October:

- **Leadership and Communication** — Oct. 10. The cost is \$295 for AIHA members and \$375 for non-members.
- **Construction and Contract Law** — Oct. 10-11. The cost is \$895 for ASCE members and \$1,095 for non-members.
- **Six Sigma for Global Competiveness** — Oct. 10-11. The cost is \$795 for American Institute of Chemical Engineers and \$955 for non-members.
- **Conceptual Development and Cost Estimating** — Oct. 10-11. The cost is \$795 for AIChE members and \$955 for non-members.
- **Heat Stress** — Oct. 24. The cost is \$295 for AIHA members and \$375 for non-members.
- **Design-Build Contracting** — Oct 24-25. The cost is \$895 for ASCE members and \$1,095 for non-members.
- **Automatic Control (Advanced)** — Oct 24-25. The cost is \$795 for AIChE members and \$955 for non-members.
- **Effective Communication** — Oct. 24-25. The cost is \$795 for AICHe members and \$955 for non-members.

Registration is due four weeks ahead of the course date. Students will earn Continuing Education Units or Certification Maintenance points. To register for the AIChE courses, send checks to the Columbia Valley Section of AIChE, P.O. Box 305, Richland, WA 99352. To register for the ASCE courses, send checks to Tri-Cities Technical Council, P.O. Box 1483, Richland, WA 99352. For more information or to register for the AIHA course, contact Marve Hyman at 375-0222.

Classes continued on next page.

Regular Features



Classes, cont.

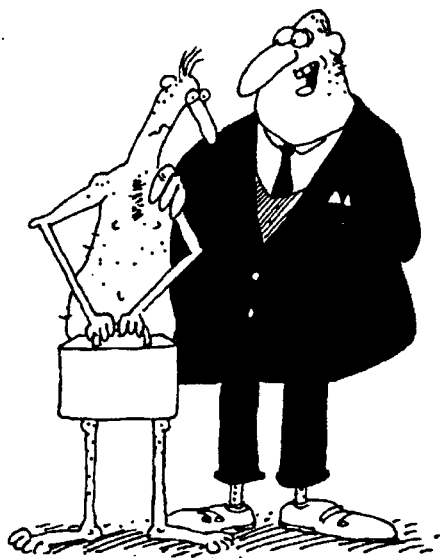
Resource Training Institute, LLC, offers courses this fall

The Resource Training Institute, LLC, will offer the following classes in Richland:

- **DOE O 435.1 Radioactive Waste Management Training** — Sept. 16-18, 8 a.m.-4 p.m.
- **Cleanup Site Closure: Integrating Regulatory and Administrative Activities** — Oct. 14-15, 8 a.m.-4 p.m.

To register, contact the RTI registrar at (803) 652-8830 or at registrar@rtii.org. For the full course schedule visit <http://www.rtii.org>. ♦

Farcus



© Farcus Cartoons Inc. 1990

That-a-boy, Fishbeck.
Think streamlined!

Lost & Found

A motorcycle jacket was found on Aug. 19 on Route 3, very close to the 200 Area Central Fire Station. Contact **Richard Conley** at 373-2845 to claim it.



Employee Activities

HERO

GENERAL INFO & ACTIVITIES

MAIL YOUR TICKET REQUESTS TO THE APPROPRIATE LISTED TICKET SELLER — It saves the ticket sellers' time and your tickets will be sent to you the same day. Do not combine the charge for tickets to two different events on the same check. If you do, it will be returned.

HRA DISCOUNTS — Log on to <http://apweb02.rl.gov/hrd/> to see the discounts list.

HERO POLICY FOR NSF CHECKS — Associated non-sufficient fund bank fees will be passed on to check issuers. HERO will not absorb the cost. No personal checks for more than \$250 will be accepted.

DISCOUNTED MOVIE TICKETS — Limit now 10 per purchase. Carmike tickets are \$5 each with restrictions applying only to Sony DDS movies. Regal tickets are \$5.50 each and applicable restrictions are identified in the *Tri-City Herald* with a star. Yakima Mercy tickets are \$5 each with no restrictions. Regal and Carmike tickets are valid in Seattle and Spokane as well as the Tri-Cities. For Regal or Carmike tickets, send checks (no cash) made payable to HERO to Linda Meigs (H3-12), Linda Sheehan (T4-40), Nancy Zeuge (X3-74), Michelle Brown-Palmore (A7-51), Ginny Wallace (S7-03), Marta Caballero (S6-74), Cheri McGee (N2-53) or Patti Boothe (T6-04). Sunnyside Movie Theater is now offering tickets for two admissions for one show, for \$10.50 with no show restrictions. These tickets are also good for Ellensburg and Walla Walla. For Yakima Mercy or Sunnyside tickets, send checks (no cash) to Nancy Zeuge (X3-74), Jim Hopfinger (S7-39) or Tricia Poland (T5-04).

SILVERWOOD TICKETS ARE AVAILABLE — Discount ticket prices through HERO are \$22.50 for general admission (ages 8-64) and \$11 for children age 3 to 7 years and seniors 65 years and older. Tickets are valid through Sept. 28. Ticket sellers are Linda Meigs (H3-12), Cheri McGee (N2-53), Nancy Zeuge (X3-74), Tricia Poland (T5-04), Marta Caballero (S6-74) and Ginny Wallace (S7-03). Please send your checks (made out to HERO) to any of these ticket sellers and your tickets will be sent back to you in the plant mail.

TRI-CITY HERO GOLF DAY — Sept. 26 (Friday off), 8 a.m. shotgun start at the Canyon Lakes Golf Course in Kennewick. The cost is \$55 per person, which includes one-half cart, range balls, prizes and greens fees. A steak and salmon lunch will follow. Get your team together. Make your check(s) payable to HERO and send it, along with your team members' names, to Tricia Poland (T5-04) or Pat Jenkins (T5-04).

HERO continued on next page.

Regular Features



**Employee
Activities**

HERO

MT. ADAMS GOLF OUTING — Get your foursomes together for the second annual HERO golf outing at Mt. Adams. Join us for a fun-filled day of golfing in Toppenish at the country club on Sept. 26 (Friday off), with a shotgun start at 9 a.m. There is no need for handicap. The cost is \$55, which includes a barbecued burger lunch, greens fees, one-half cart, goodie bag and prize fund. To sign up, make your check out to HERO and send it along with your group's names to Jim Hopfinger at S7-39.

COLUMBIA VOYAGER DINNER CRUISE — Fluor Project Hanford team employees are invited to join us Sept. 11 for a relaxing, three-hour dinner cruise down the Columbia River. The price is \$30 per person and includes the cruise and an all-you-can-eat dinner buffet featuring carved baron of beef, teriyaki chicken, desserts, non-alcoholic drinks, taxes and gratuities. A no-host bar is also available. Board at 6:30 p.m. at the dock behind the Red Lion Hotel in Richland. Slowly cruise to the Cable Bridge and return to the dock at 10 p.m. Seating is limited, so don't wait. The dinner cruise in July sold out early. Make your reservations by sending a check or money order, made out to HERO, to Cheri McGee at N2-53.

SIX FLAGS WILD WAVES/ENCHANTED VILLAGE TICKETS AVAILABLE — The parks offer 70 acres of non-stop fun for everyone. After a short drive to Federal Way (near Tacoma), enjoy more than 40 exhilarating rides and attractions in Enchanted Village, and then cool down in one of Wild Wave's 14 thrilling waterslides. Ride the surf in the gigantic 24,000-square-foot wave pool! With two parks for the price of one, it's simply the most fun you'll have all year! Discounted tickets are available through HERO for \$21 per person (ages 2 and under are free). To purchase your tickets, send checks (made payable to HERO) to Linda Meigs at H3-12.

UPCOMING TRIPS

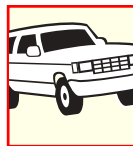
• **Reflections of Italy** — Departure date is Nov. 3. \$2,782 ppdo includes airfare, lodging and 13 meals during this 10-day journey to Italy, beginning in Rome, "the Eternal City." A deposit of \$430 per person will reserve your spot, with final payment due Sept. 4. Contact Linda Meigs for details.

• **Switzerland** — Nov. 3-11. The price is \$1,879 pp including round-trip airfare from Pasco. Price includes 11 meals, tours, transfers and taxes. A \$250 deposit is due as soon as possible with the balance due Sept. 4. Highlights of the tour include the Swiss Parliament, the famous Bear Pit, the Rose Gardens, Lake Geneva and the medieval Castle of Chillon. Enjoy breathtaking Alpine

views with a ride on the Panoramic Express Train to Gstaad. Then on to Interlaken, Grindewald, Zurich, Burgdorf Castle, Lucerne and an optional tour to Germany and the mystical Black Forest. Contact Phyllis Roha at 376-6413 or by e-mail for more information.

• **Holiday in Lights cruise** — Dec. 5-7. Climb aboard the Fun Fleet of Coeur d'Alene Cruises for a holiday tour of the lighted displays featuring over a million lights. Package includes round-trip bus trip, two nights at the Coeur d'Alene Resort, breakfast both mornings and a one-hour lake cruise. Depart Friday morning, Dec. 5, and stop at the Spokane Valley Mall for Christmas shopping, then it's off to Coeur d'Alene for your evening cruise. On Saturday, you can relax at the resort, pamper yourself at the spa, shop at additional shops close to the resort, take the bus back to Spokane for more shopping or hop on a shuttle that runs to the casino in Worley, Idaho. The cost per person based on double occupancy is \$193 for an economy room, \$215 for a deluxe room, and \$238 for a premier room. A \$50 non-refundable deposit per person is due as soon as possible to reserve your spot. E-mail Phyllis Roha for more information.

• **Western Caribbean Cruise** — Dec. 7-14. Join us for a relaxing cruise to four ports in the Western Caribbean, home to crystal clear waters and white sand beaches — perfect for sunning or snorkeling. Relax on Half Moon Cay, swim with stingrays and visit the Green Sea Turtle Farm at Grand Cayman. Snorkel or visit Mayan ruins in Cozumel. Take the famous Conch Tour Train in Key West. The price starts at \$355 per person plus current port charges and government fees (approximately \$200) and airfare. Final deposit is due Sept. 8. Contact Tricia Poland for more information. ♦



Vanpools

Vanpool ads are run for two weeks. Ads must be resubmitted to run in subsequent issues of the *Hanford Reach*. The deadline for submission is Thursday, 10 days prior to publication.

Day and Zimmermann Protection Technology Hanford reminds employees to wear their badges while on site and be prepared to show them when passing through a barricade. Vehicle drivers are responsible for ensuring their passengers are badged prior to leaving their point of embarkation. A vehicle driver who transports an unbadged person through a barricade and the unbadged person will be issued Security Incident Notices and the unbadged person will be escorted off site. Re-entry is not allowed until a proper badge is obtained.

Vanpools continued on next page.

Regular Features



Vanpools, cont.

KENNEWICK

Express vanpool to 200E leaves from Albertson's on Clearwater and Edison. Drops off in the vicinity of 2750, MO-384, WESF and LEF. Call **Scott** at 372-0473 or **Max** at 373-9161. 8/25

Riders needed for Vanpool No. 97, 8x9s. Rate as low as \$54.20 per month. Picks up at Shopko at 6 a.m. and the Federal Building at 6:10. Drops off at 2750-E and 2740-HV. Contact **Mike Bryden** at 373-4624. 8/25

Tired of high gas bills and congested traffic? Join our vanpool. Picks up at Chuck E Cheese and drops off at 2750, 2719-EA, WESF, CSB or 2704-HV. Call **Beth** at 376-0971 or **Barb** at 373-2006. 8/25

RICHLAND

Vanpool Express (with a new van) to 200E needs several riders, 8x9s. Monthly rate as low as \$35. Leaves former Hanford bus lot (across from 2440 Stevens) at 6:25 a.m. and drops off at 2750-E local area. Will also pick up and drop off along route to and from bus lot: from Albany Ct. north on Alder, east on Bismark, north on McMurray and north on Stevens Drive. Contact **Dave Hedengren** at 373-5094. 8/25

WEST RICHLAND

Vanpool rider seeking vanpool, 8x9s, 7 a.m. to 4:30 p.m., that picks up near West Richland, at the Park 'n Ride at Van Giesen and Highway 240 or at a similar, close area. Need to be dropped off within walking distance of 222-S Lab. Could qualify as a driver if needed. Contact **Dale Weber** at Dale_H_Weber@rl.gov. 8/18

YAKIMA

Riders needed for a vanpool from Yakima to 400, 300 and 1100 Areas and the Federal Building. The van operates Monday-Friday, with morning pickups at Park 'n Ride (east of Target) at approximately 5:30 a.m. and final pickup at East Valley Market around 5:40 a.m. The driving route is along State Highway 24 to the Hanford Site. The opposite route will be followed for the late afternoon return to Yakima. 300 Area riders will be picked up around 4 p.m. The van's monthly fees are \$1,000. Contact Jesse Allen at 528-0614 (Hanford work) or (509) 972-4773 (Yakima home) or **Doug Chapin** at 373-9396 (Hanford work) or (509) 966-8973 (Yakima home). 8/25 ♦



Shoemobile

300 Area *along fence east of Wisconsin Street*

Sept. 9	1-4 p.m.	Sound Safety
Sept. 15	2-5 p.m.	BC Sales

100K Area *parking lot south of MO-401*

Sept. 15	7-10 a.m.	Red Wing
Sept. 16	7-10 a.m.	BC Sales
Sept. 24	8-9 a.m.	Iron Age

200 East Area *northeast gravel parking lot of 2101-M*

Sept. 10	7 a.m.-noon	Sound Safety
Sept. 15	11 a.m.-1 p.m.	Red Wing
Sept. 16	11 a.m.-1 p.m.	BC Sales
Sept. 24	11 a.m. – noon	Iron Age

200 West Area *parking lot east of MO-281*

Sept. 10	1-4 p.m.	Sound Safety
Sept. 15	2-5 p.m.	Red Wing
Sept. 16	2-5 p.m.	BC Sales
Sept. 24	9:30-10:30 a.m.	Iron Age